

B224RB

Addressable Relay Base

The B224RB is a 6" mounting base with a built-in form C relay contact. The B224RB lets you control a wide variety of normally open and normally closed applications. Because the relay is addressable, the relay device can be located at any point in the signaling line circuit. IDP-series detectors intended for use with the Honeywell Farenhyt Series fire alarm control panel (FACP) plug into the B224RB.

INSTALLATION

The B224RB can be mounted on a variety of junction boxes as shown in the tables below.

U.S. Junction Box Selection Guide*

SINGLE GANG	3.5"OCT	4" OCT†	4" SQ
No	Yes	Yes	Yes

Metric Junction Box Selection Guide*

50MM	60MM	70MM	75MM
No	No	Yes	Yes

*Box depth is contingent on base and wire size. Refer to the National Electric Code or applicable local codes for appropriate recommendations.

†With 3.0 mud ring



B224RB RELAY BASE

FEATURES & BENEFITS

- One form C contact relay
- Support for Class A and Class B wiring
- Fully supervised
- Plug-in mounting provides ease of installation
- Tamper-proof feature prevents removal of the detector without the use of a tool
- Range of mounting options to meet any application
- B501 allows for aesthetically pleasing installation with Recessed Mounting Kit (RMK400)
- UL Listed
- CSFM Listed
- FMListed

B224RB Technical Specifications

PHYSICAL

Height: 1.2" (3.1 cm)

Diameter: 6.1" (15.5cm)

ELECTRICAL RATINGS

Wire Gauge: 18-14

Operating Voltage: 15 – 32VDC

Standby Current: 500 μ A max @ 24VDC.

RELAY CHARACTERISTICS:

Coil: 2 coil latching relay

Contact: 1 Form C contact

Resistive: 2A @ 30 VDC

Inductive:

300 mA @ 100 VDC(with 0.35 PF or greater)

300 mA @ 120 VAC (with 0.35 PF or greater)

1A @ 30 VDC (with 0.6 PF or greater)

ENVIRONMENTAL

Operating Temperature: 32°-120°F (0°C – 49°C)

Humidity: 10 to 93% non-condensing)

ORDERING INFORMATION

B224RB: 6" Relay Base

ACCESSORIES

XR2B: Detector Removal Tool. A removal and replacement tool for IDP plug-in detectors.

Includes the T55-127-000

M02-04-00: Detector Test Magnet

M02-09-00: Test Magnet with Telescoping Handle

XP-4: Extension Pole for XR2B. Extends from 5 – 15 ft

T55-127-000: Detector Removal Head

BCK-200B: Black Detector Kit

WCK-200B: White Detector Kit

COMPATIBILITY

The B224RB is compatible with the following IDP series detectors:

- IDP-Photo Photoelectric Smoke Detector
- IDP-Photo-T Photoelectric Smoke Detector with Thermal
- IDP-Acclimate Multicriteria Photoelectric Smoke Detector
- IDP-Heat Fixed Temperature Thermal Detector
- IDP-Heat-ROR Rate-of-Rise Detector with Thermal
- IDP-Heat-HT Fixed High Temperature Thermal Detector

The B224RB is compatible with the following Farenhyt Series FACP's:

- IFP-2100 / IFP-2100ECS / RFP-2100
- IFP-2000 / IFP-2000ECS / RPS-2000
- IFP-1000 / IFP-1000ECS
- IFP-300 / IFP-300ECS
- IFP-100 / IFP-100ECS
- IFP-75
- IFP-50

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

Microsoft, Windows, and the Windows Logo are registered trademarks or trademarks of Microsoft Corporation.

Honeywell® and System Sensor® are registered trademarks of and Farenhyt™ is a trademark of Honeywell International, Inc.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For Technical Support, Please call 800-446-6444.

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

Honeywell Security & Fire

12 Clintonville Road
Northford, CT 06472
800-328-0103